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PART B - FEE(S) TRANSMITTAL mplete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 JUN 2 JUN 2 0 2005 Alexandria, Virginia 22313-1450 (703) 746-4000 or Fax INSCLUCTIONS: The form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected belowing the patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fees put first ions. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 28112 7590 03/29/2005 Express GEORGE O. SAILE & ASSOCIATES Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below. 28 DAVIS AVENUE POUGHKEEPSIE, NY 12603 Duane Morris LLP (Depositor's name) One Liberty Place Provencio Philadelphia, PA 19103-7396 2005 APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/883,449 06/18/2001 Nai-Yin Sung 2688 TITLE OF INVENTION: METHOD TO VERIFY THE PERFORMANCE OF BIST CIRCUITRY FOR TESTING EMBEDDED MEMORY APPLN. TYPE SMALL ENTITY ISSUE FEE **PUBLICATION FEE** TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$1400 06/29/2005 06/22/2005 FFANAIA3 00000061 041679 09883449 **EXAMINER** CLASS-SUBCLASS ART UNIT 1400.00 DA TRIMMINGS, JOHN P 2133 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE TAIWAN SEMICONDUCTOR MANUFACTURING HSIN-CHU, TAIWAN R.O.C. COMPANY ☐ Individual ☐ Corporation or other private group entity ☐ Government Please check the appropriate assignee category or categories (will not be printed on the patent): 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Advance Order - # of Copies Deposit Account Number 04-1679 (enclose an extra copy of this form), 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. June 20, 2005 Authorized Signature 36,593 Marcelli Typed or printed name Mark Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Confirmation No.: 2688

Notice of Allowance Dated: 03/29/2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Nai-Yin Sung et al.

Serial No.: 09/883,449

Examiner: John P. Trimmings

Filed: 06/18/2001

Group Art Unit: 2688

METHOD TO VERIFY THE PERFORMANCE OF BIST CIRCUITRY FOR TESTING

EMBEDDED MEMORY

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on June 20, 2005

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ISSUE FEE TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith is the payment for the Issue Fee for the above-captioned patent application, which is due on 06/29/2005. Please charge the \$1,400 Issue fee to Deposit Account 04-1679.

Please charge any associated underpayment or credit any overpayment to Deposit Account 04-1679.

Dated: June 20, 2005

rk J. Marcelli

Registration No. 36,593

Respectfully submitted,

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